

UHF Transponder, Rectangular, On-Metal & High Temperature, ETSI

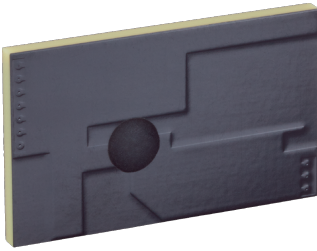
UHF transponders

RFID TRANSPONDERS

SICK
Sensor Intelligence.

UHF Transponder, Rectangular, On-Metal & High Temperature, ETSI | UHF transponders

RFID TRANSPONDERS



Ordering information

Type	part no.
UHF Transponder, Rectangular, On-Metal & High Temperature, ETSI	6070090

Other models and accessories → www.sick.com/UHF_transponders

Detailed technical data

Features

Product segment	RFID transponders, RFID
Product	UHF transponders
Specialty	High Temperature
Frequency band	UHF (860 MHz ... 960 MHz)
Carrier frequency	865 MHz ... 868 MHz
Design	Rectangular
Housing material	FR4
Enclosure rating	IP67
Ambient operating temperature	-40 °C ... +85 °C ¹⁾
Storage temperature	-40 °C ... +90 °C
Application temperature	+ 100 °C, 60 min, 3 ²⁾ + 220 °C, 50 min, 3 ²⁾ + 250 °C, 20 min, 1 ²⁾
Housing color	Black
IC type	NXP UCODE 7xm
Storage capacity	448/2048 Bit (EPC / User Memory)
IC data retention time	< 20 years
Mounting method	Bonding with adhesive
Dimensions (W x H x L)	30 mm x 4.2 mm x 50 mm
Weight	8.5 g
Reading range	
	RFU61x 20 cm ³⁾
	RFU62x 50 cm ³⁾
	RFU63x/RFU65x 200 cm ³⁾

¹⁾ Max. temperature at which the RFID transponder can interact with the RFID read/write device.

²⁾ Max. temperature the RFID transponder can withstand [maximum temperature; duration; cycles]. For optimal performance, the transponders should completely cool off before a new temperature cycle is started.

³⁾ Typical value; actual value depends on environmental conditions.

Classifications

ECLASS 5.0	27280401
ECLASS 5.1.4	27280401

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ECLASS 6.0	27280401
ECLASS 6.2	27280401
ECLASS 7.0	27280401
ECLASS 8.0	27280401
ECLASS 8.1	27280402
ECLASS 9.0	27280402
ECLASS 10.0	27280402
ECLASS 11.0	27280402
ECLASS 12.0	27280402
ETIM 5.0	EC002593
ETIM 6.0	EC002998
ETIM 7.0	EC002998
ETIM 8.0	EC002998
UNSPSC 16.0901	52161523

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com